

FIG. 1



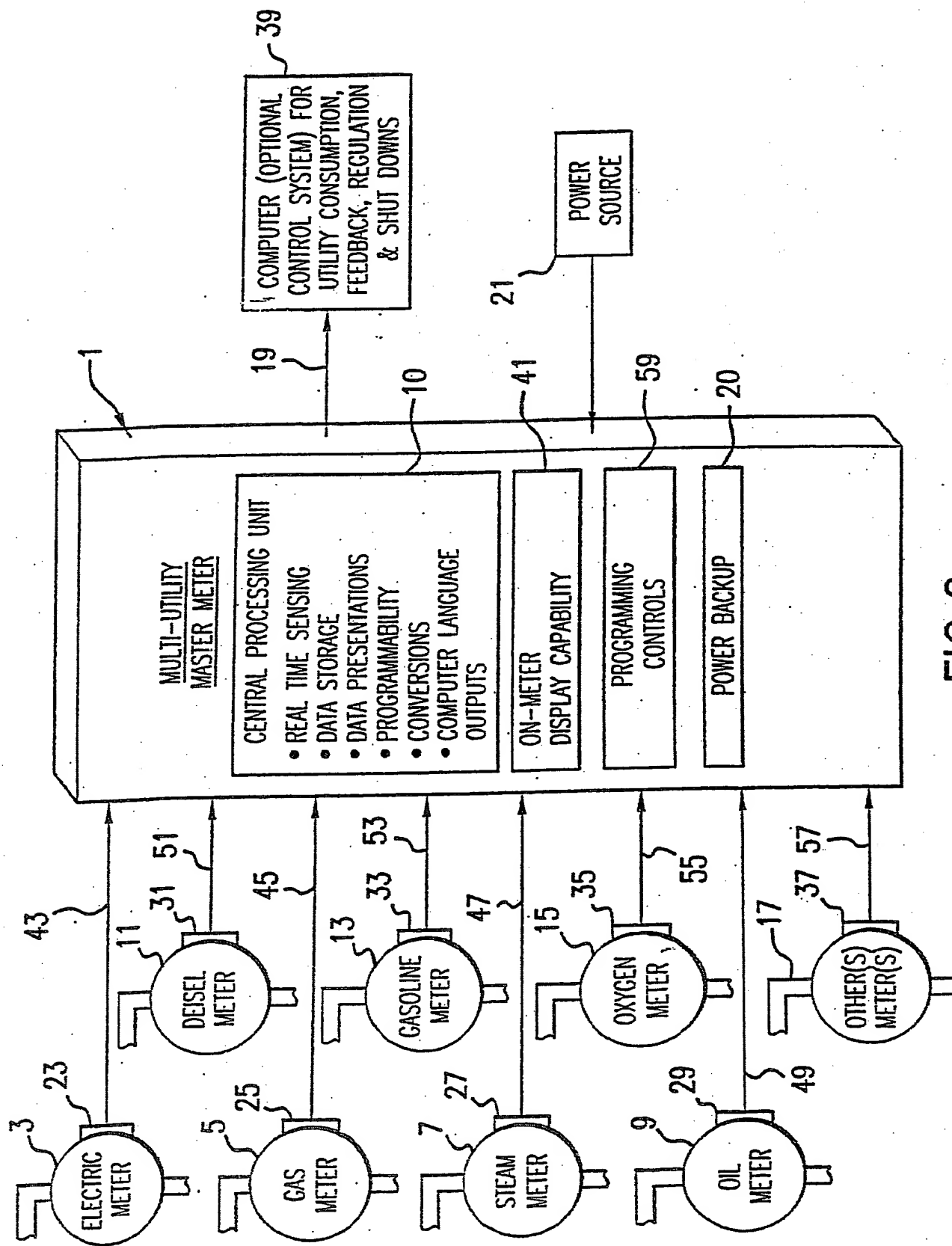


FIG. 2

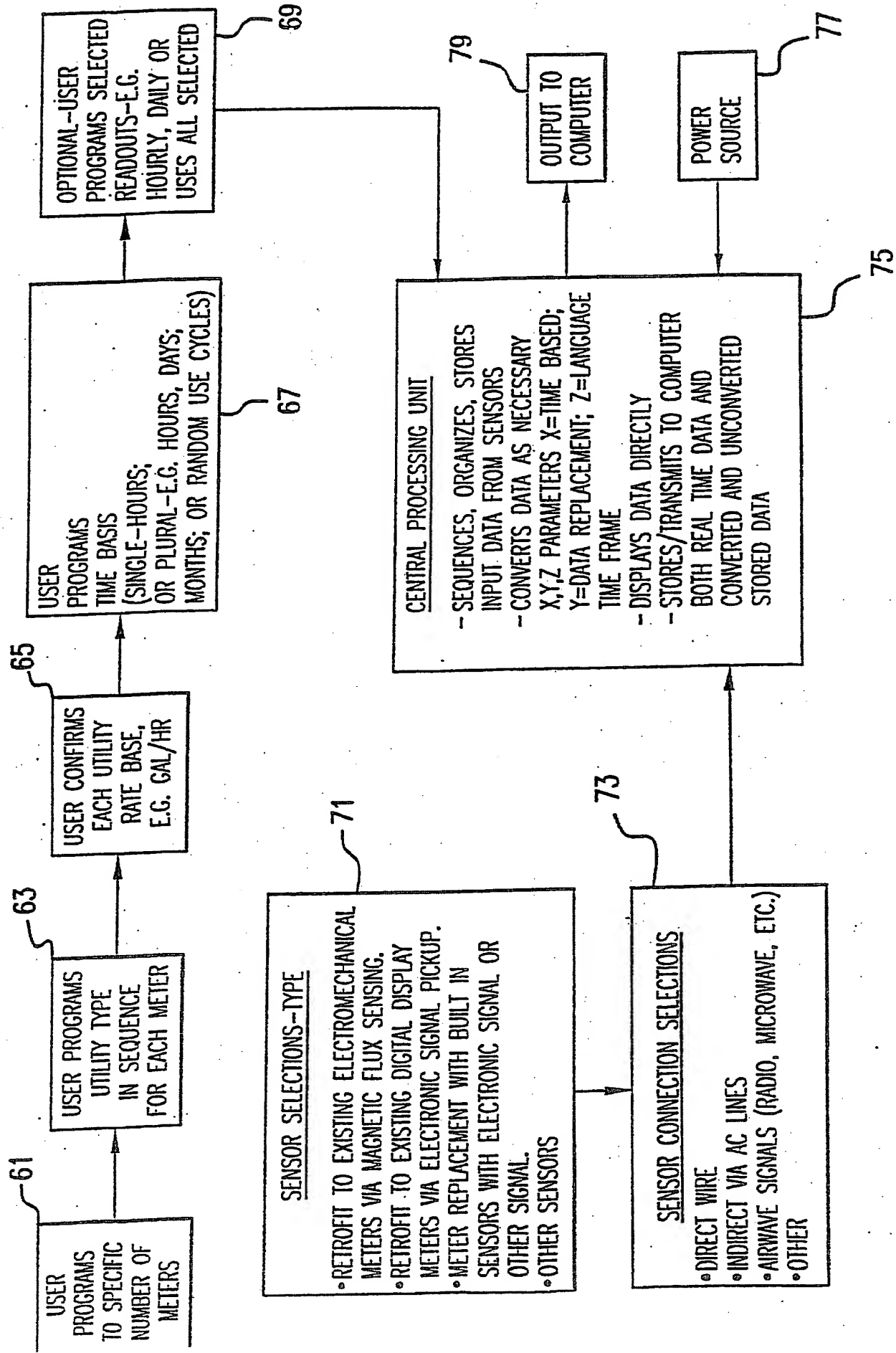


FIG.3

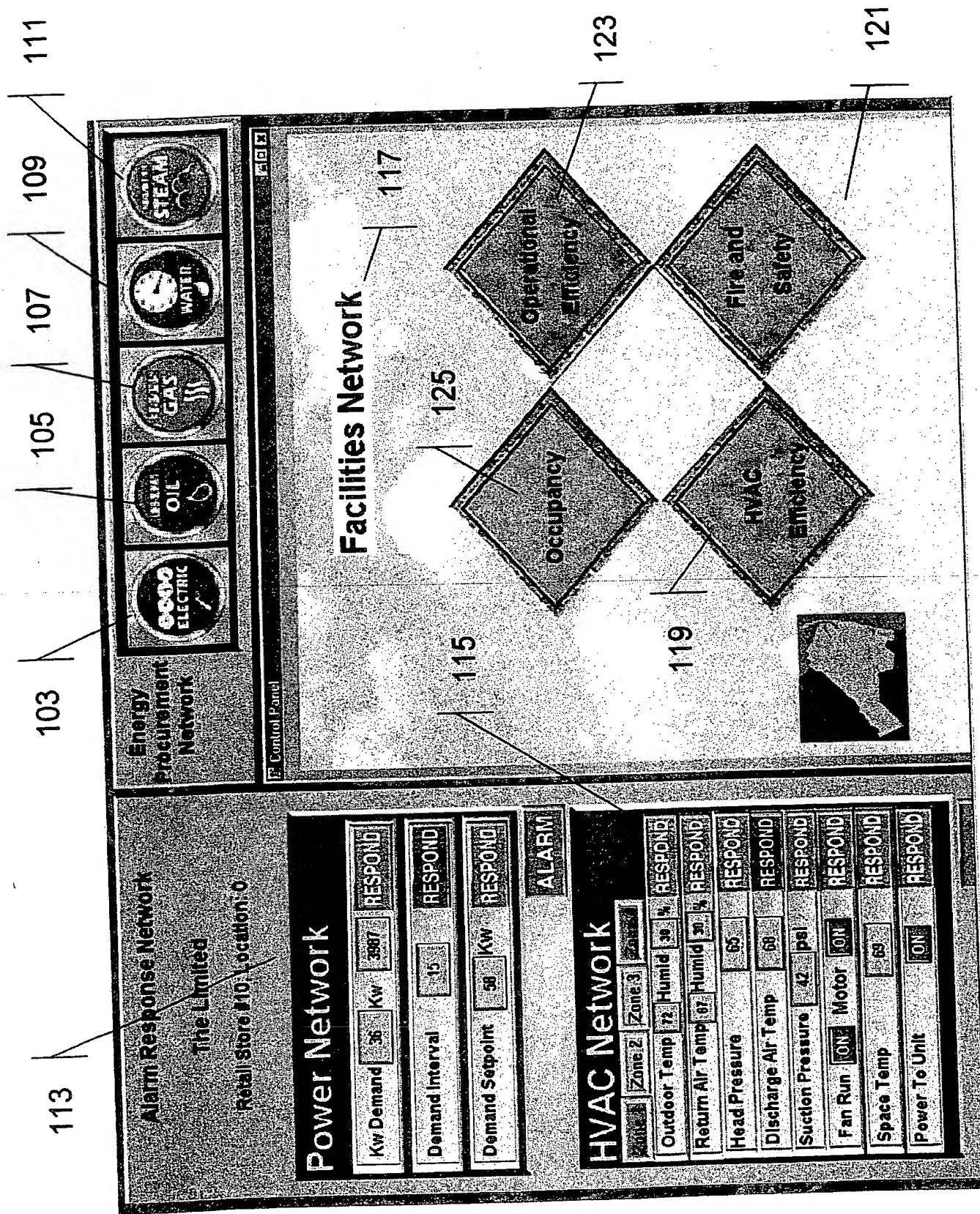
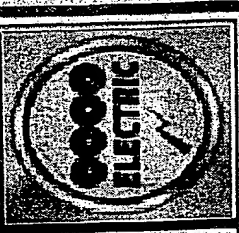


Figure 4

Real Time Electric Consumption and Energy Cost Analysis For



Provider: Public Service Electric and Gas

Price per Kwh = 9.5 Cents

Total Consumption Today

\$44.55 for 469 Kw

Price Off Peak Kwh = .07 cents...\$275

Price On Peak Kwh = .09 cents...\$575

Demand Penalty = \$100.00

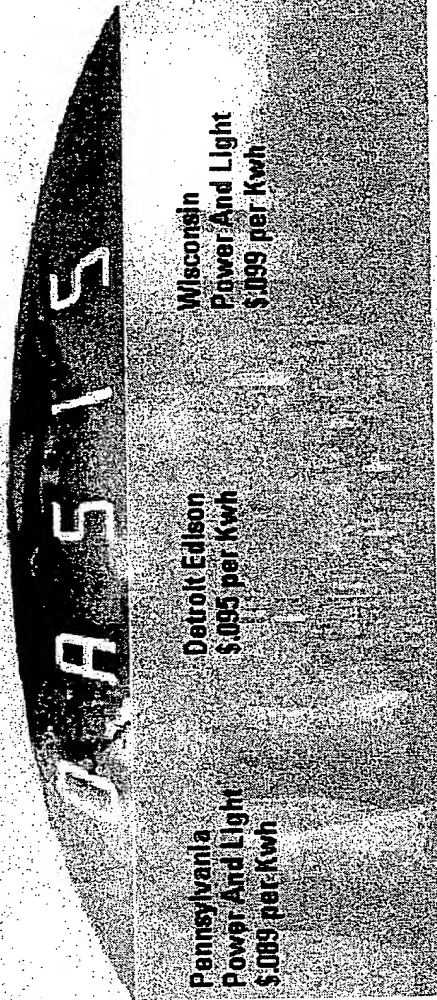
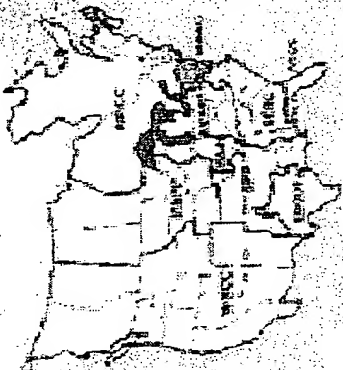


Figure 5

RETURN

OASIS Nodes in MAAC

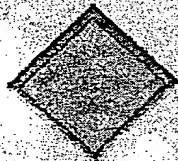


Node:
PJM OASIS

<http://oasis.pjm.com>

Providers on PJM OASIS	
Provider Code	Provider Name
AE	Atlantic City Electric Company
EGE	Baltimore Gas and Electric Company
DPL	Delmarva Power and Light Company
GPU	GPU Energy
PECO	PECO Energy Company
PPL	Pennsylvania Power and Light Company
PEPCO	Potomac Electric Power Company (PEPCO)
PJM	PJM
PSEG	Public Service Electric and Gas Company

Figure 6



Occupancy

RETURN

OUTSIDE INFORMATION

Of People Who Passed The Front Door/Gate 236

Approximate Time That These People Walked By

8:00 AM to 10:30 AM	24	3:30 PM to 5:00 PM	144
10:30 AM to 1:00 PM	14	5:00 PM to 7:30 PM	26
1:00 PM to 3:30 PM	56	7:30 PM to 10:00 PM	179

INSIDE INFORMATION

Of People Who Entered The Front Door/Gate 46

Approximate Time That These People Walked In

8:00 AM to 10:30 AM	13	3:30 PM to 5:00 PM	29
10:30 AM to 1:00 PM	24	5:00 PM to 7:30 PM	13
1:00 PM to 3:30 PM	16	7:30 PM to 10:00 PM	88

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Figure 7

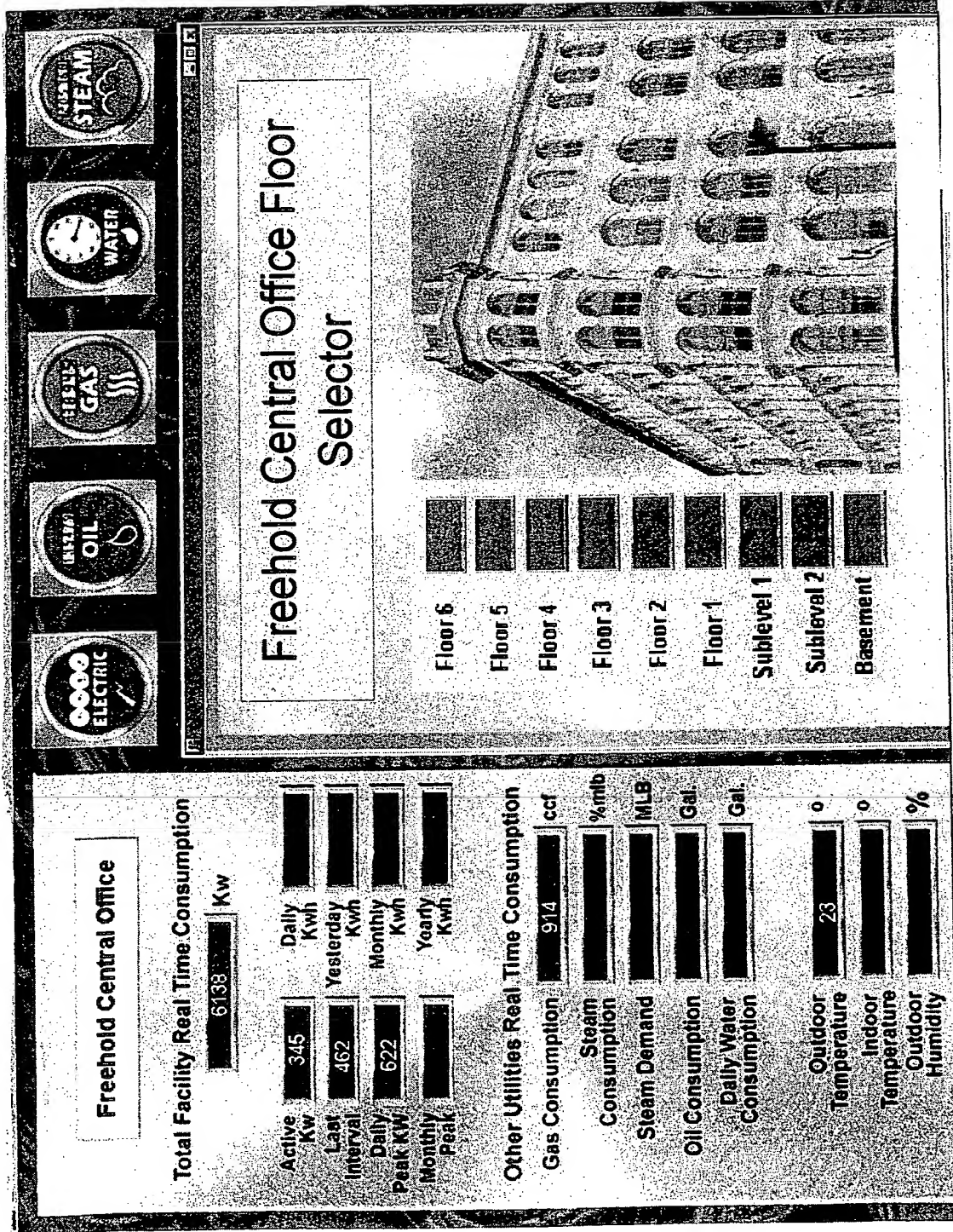


Figure 8

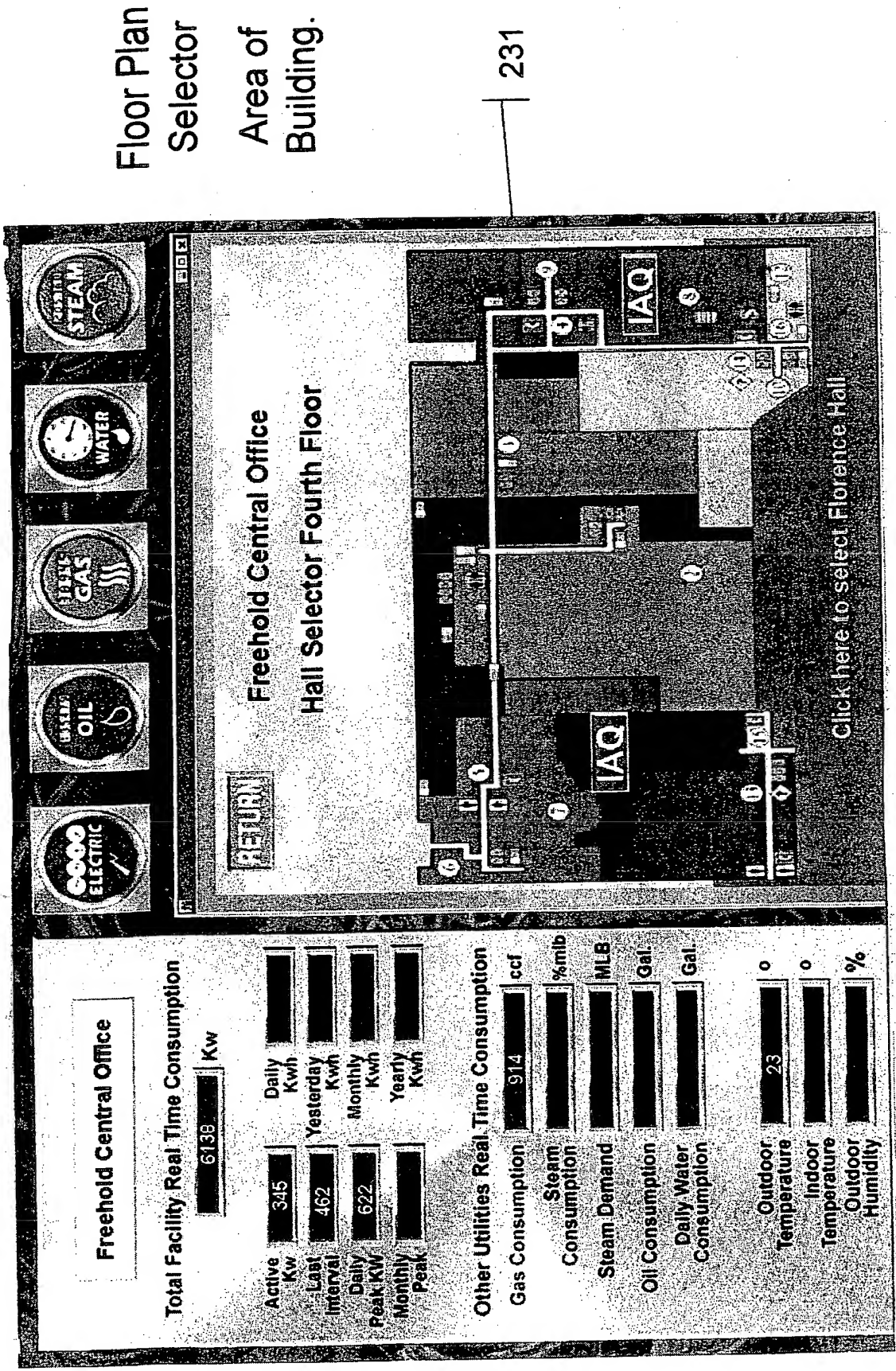


Figure 9

Freehold Central Office

Total Facility Real Time Consumption

6138 Kw

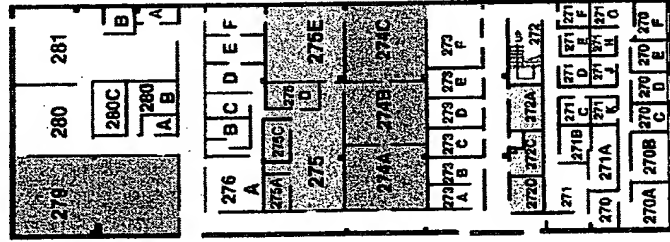
Active Kw	345	Daily Kwh	
Last Interval	462	Yesterday Kwh	
Daily Peak Kw	622	Monthly Kwh	
Monthly Peak		Yearly Kwh	

Other Utilities Real Time Consumption

Gas Consumption	914 ccf
Steam Consumption	%mlb
Steam Demand	MLB
Oil Consumption	Gal.
Daily Water Consumption	Gal.
Outdoor Temperature	23 °
Indoor Temperature	°
Outdoor Humidity	%



Freehold Central Office Room Selector - Second Floor



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Figure 10

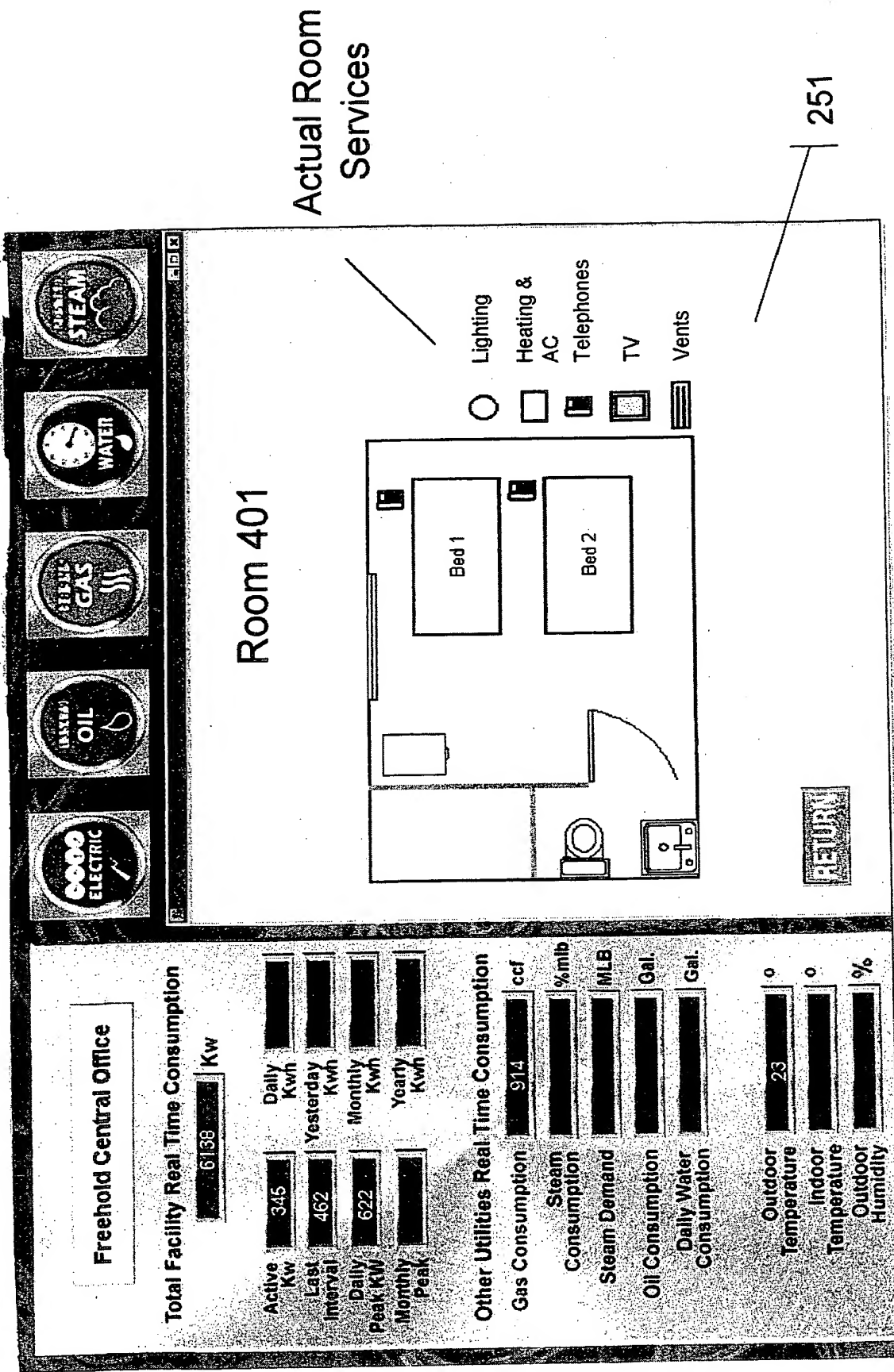
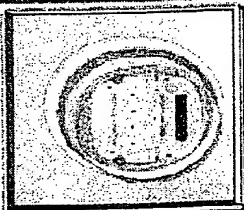
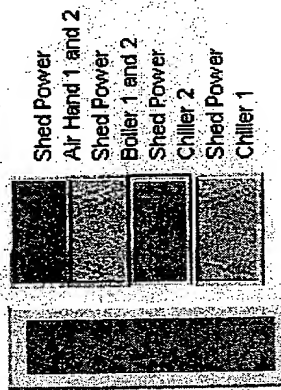


Figure 11

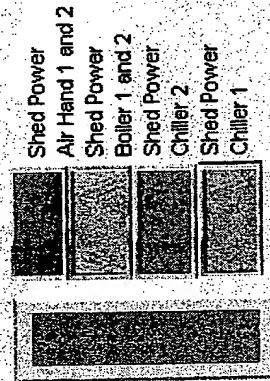
Electric Adaptive Demand Center



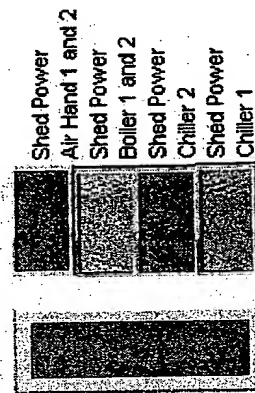
HVAC Load #2



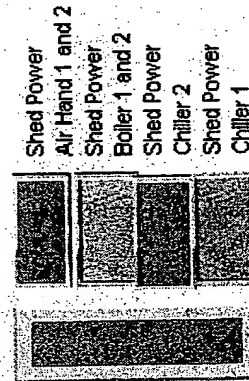
HVAC Load #1



HVAC Load #4



HVAC Load #3



HVAC Efficiency

RETURN



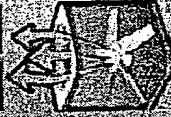
LIGHTING

Present Load

???Kw

Demand

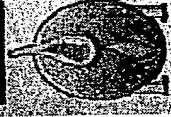
???Kw



AHU



BACK UP GENERATION



DOMESTIC HEATING



BUILDING HEAT

???Therms/Hour

???Kw/Ton



CHILLER

???Kw/Ton

???Kw/Gal

???Gal/Hour



???Kw



???ccf



???Gal



???Mlbs

Figure 13

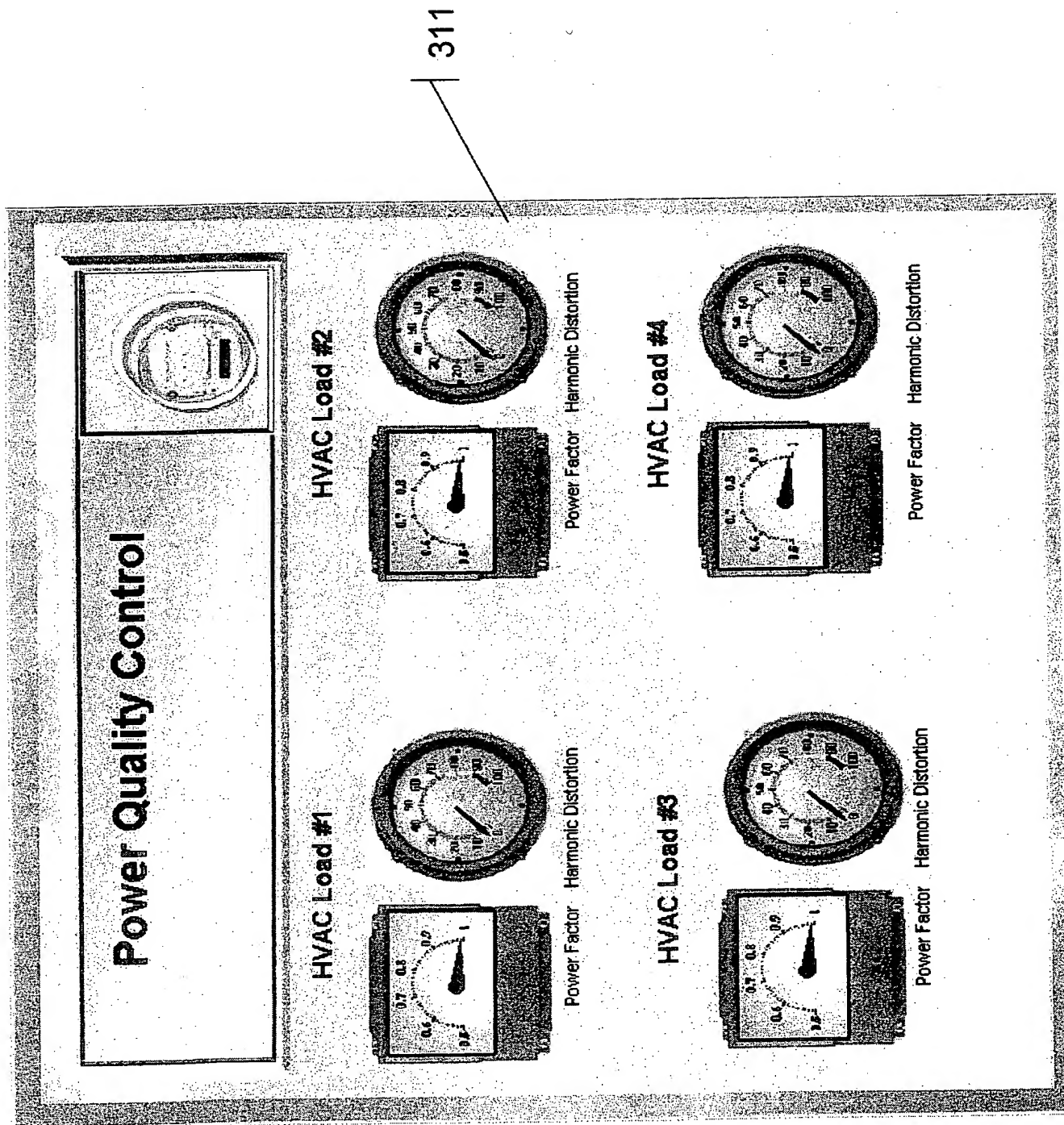
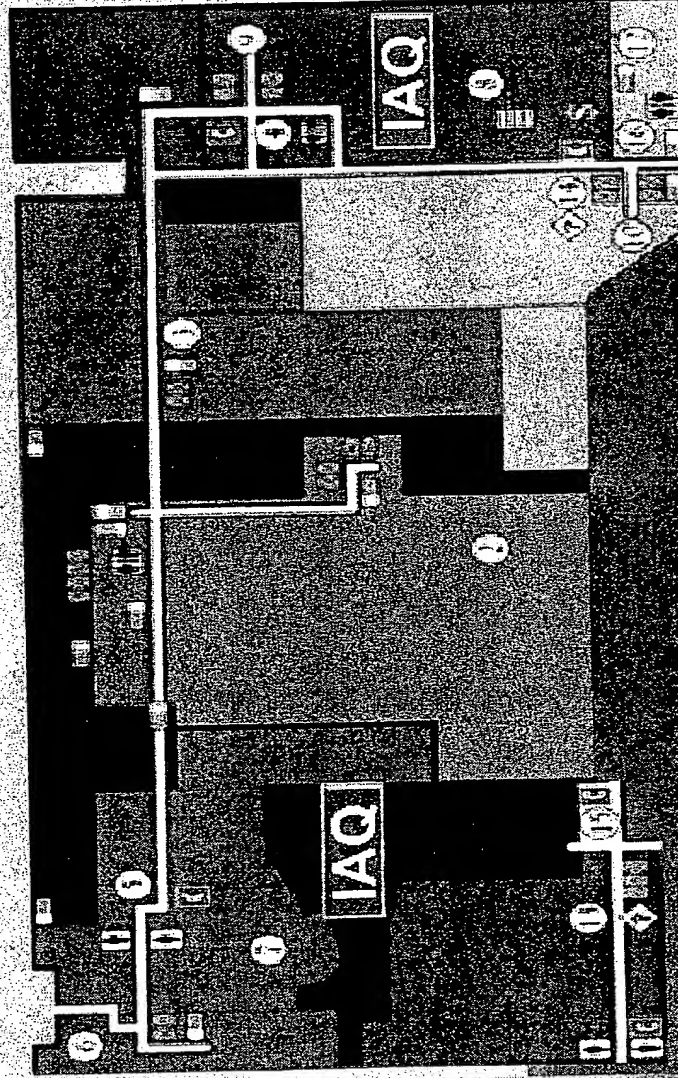


Figure 14

Indoor Air Quality Room Selector for Fourth Floor

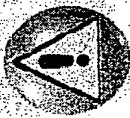


Please Select a Room

RETURN

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Figure 15



Indoor Air Quality

RETURN

Level Detected Acceptable

SO ₂ - Sulfur Dioxide =	0.2 ppm	0.14 ppm
H ₂ S	0 ppm	0.14 ppm
CO ₂ - Carbon Dioxide	1500 ppm	1000 ppm
CO - Carbon Monoxide	1 ppm	2.5 ppm
NO - Nitrous Oxide	37.2 ppm	0.4 p pm
NO ₂ - Nitrogen Dioxide	0.7 ppm	0.3 ppm
VOCs - Volatile Organic Compounds	High	Medium
RH - Relative Humidity	44% - 58.4%	
Temp -	°	

331

Figure 16

Location of
Multisite
Location

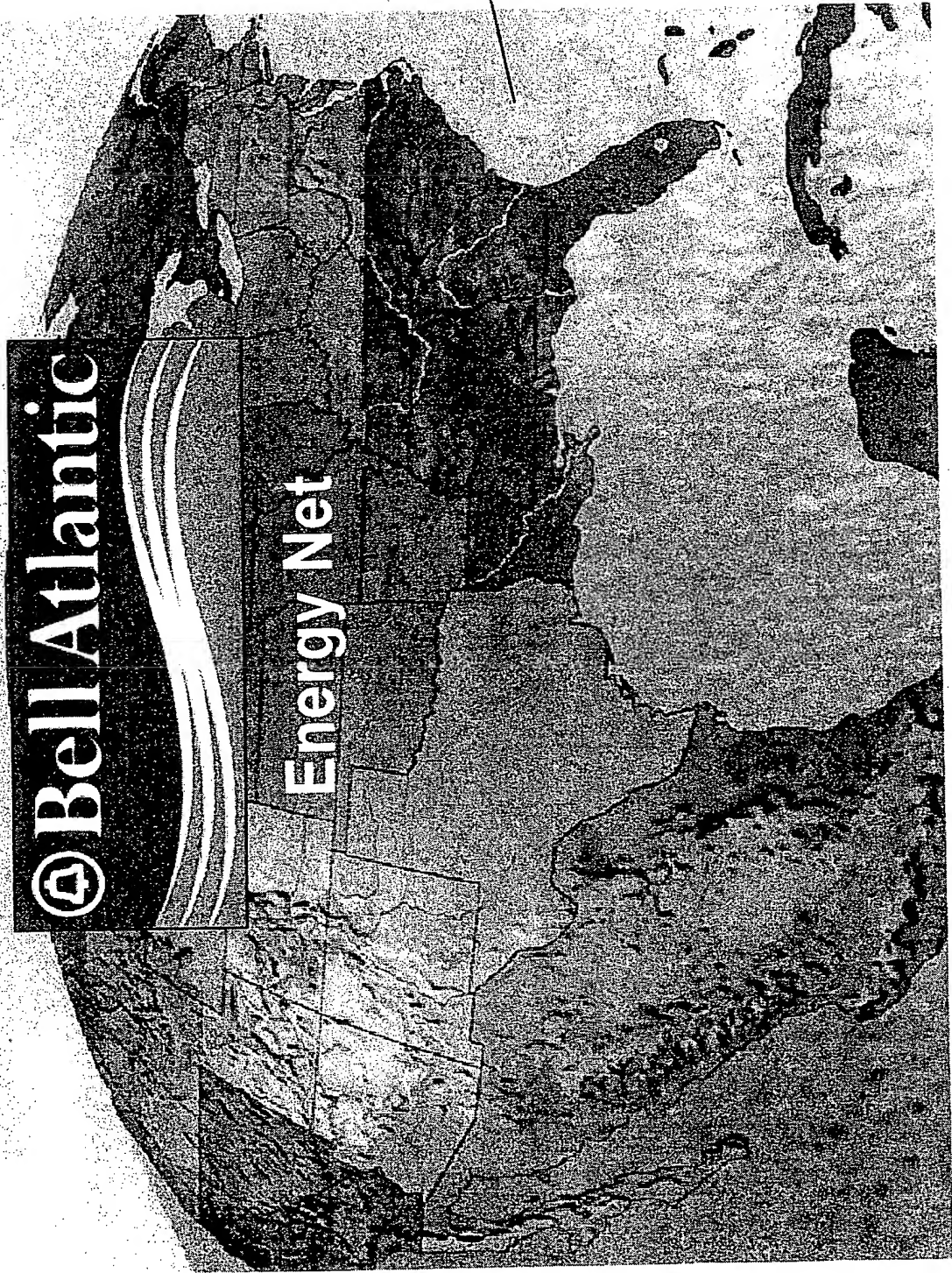
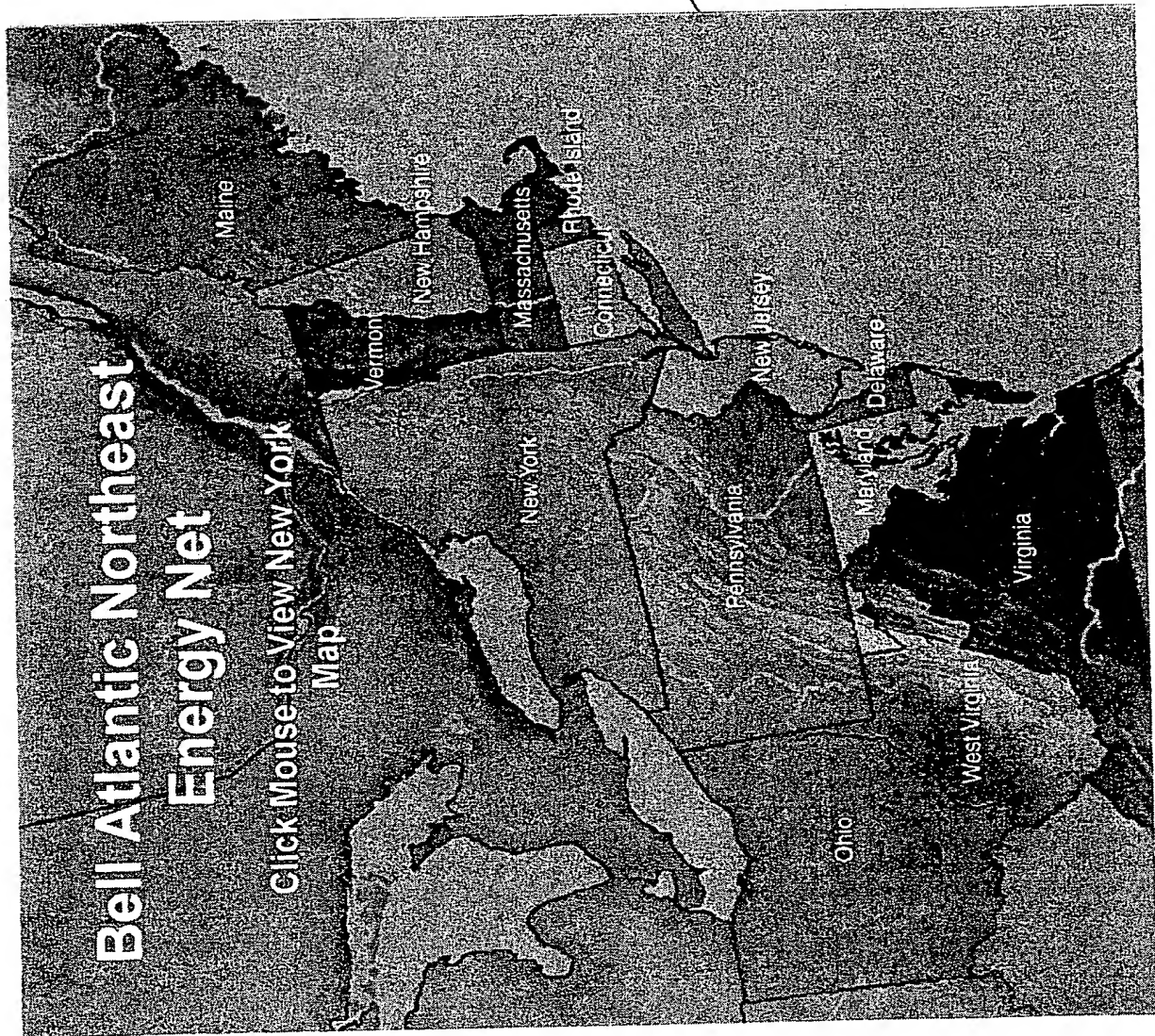


Figure 17



Location
Maps

371

Figure 18

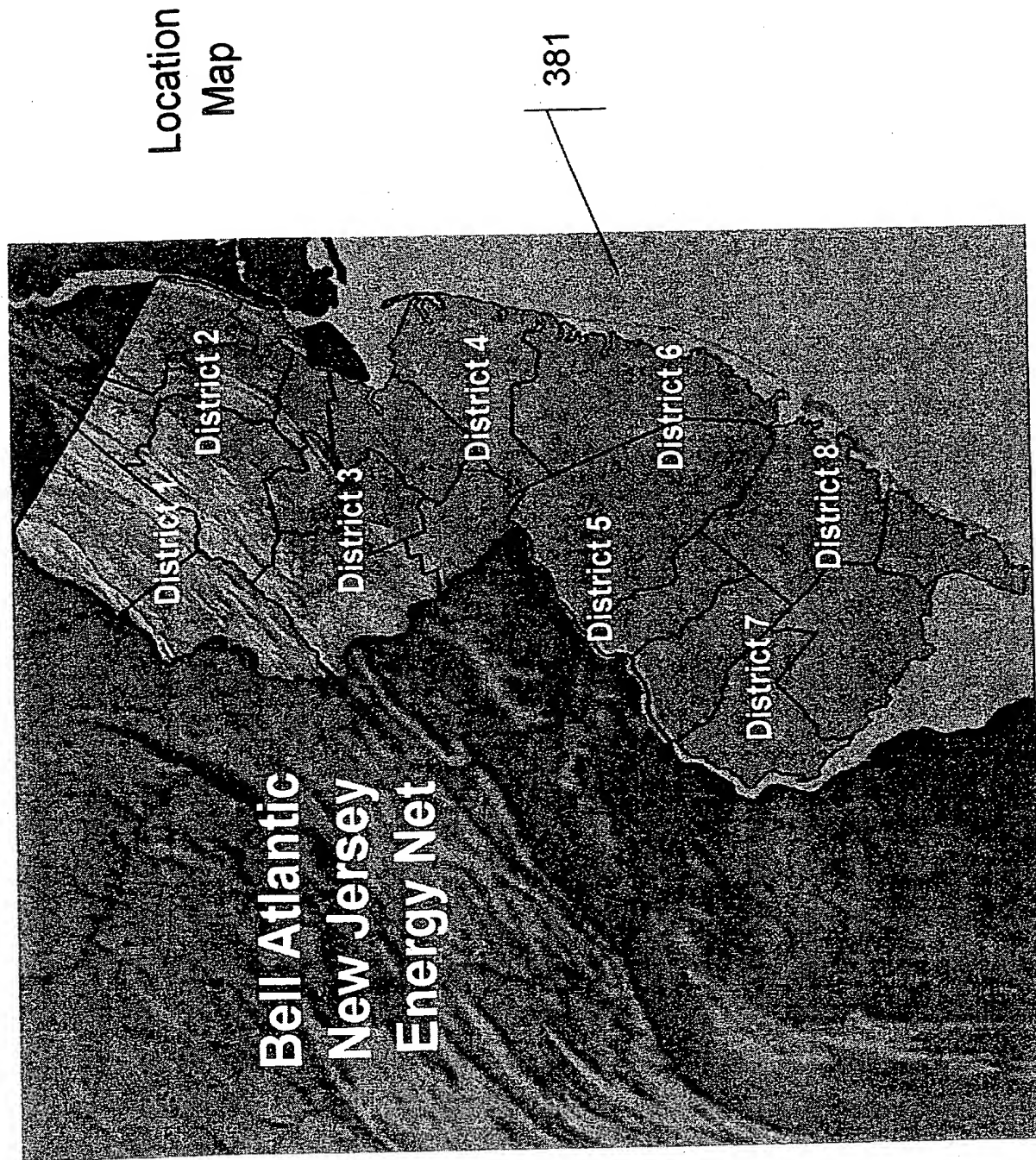


Figure 19

New Jersey Energy Net District 4

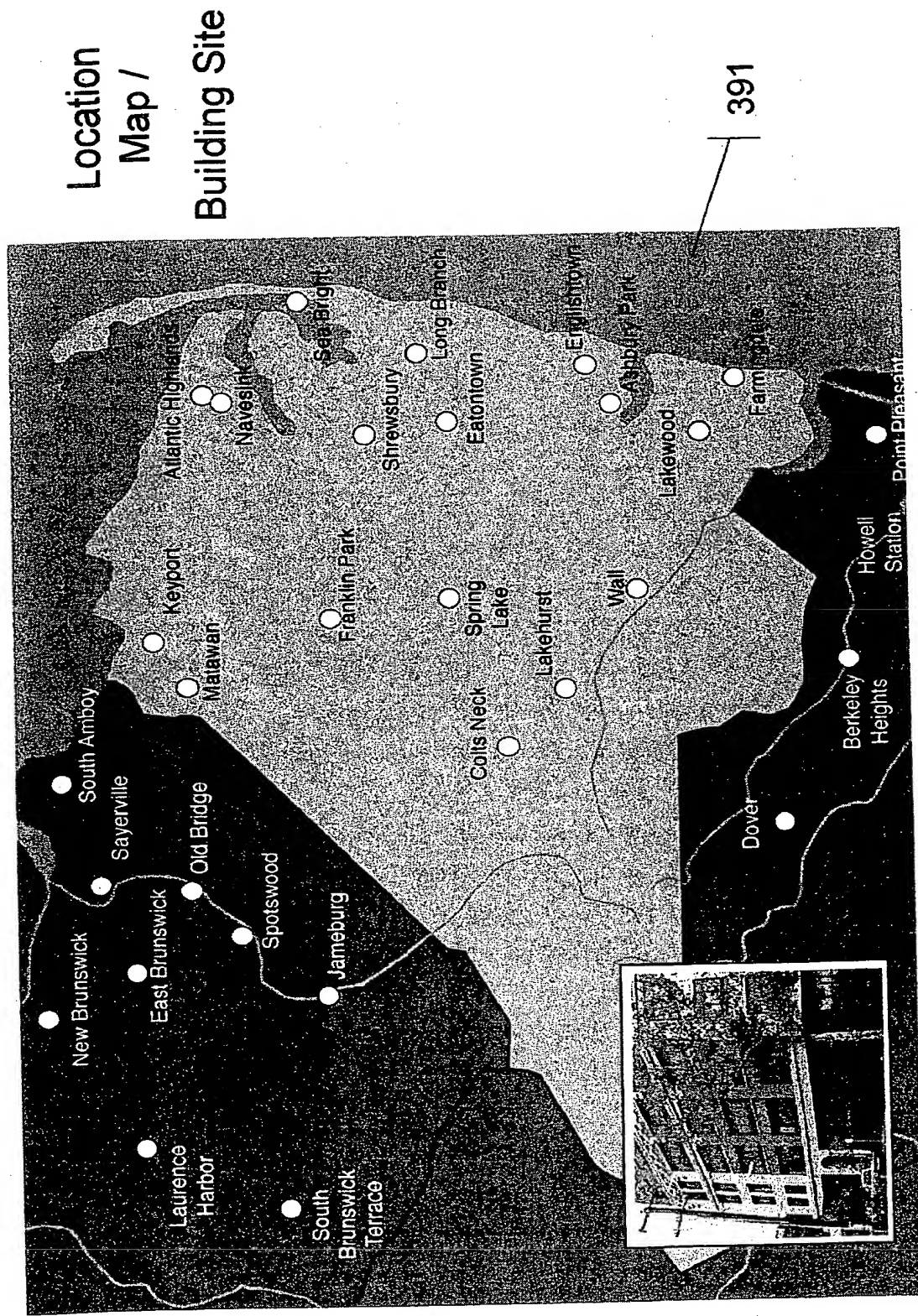


Figure 20

Location of Building for Campus, University & Hospital Locations

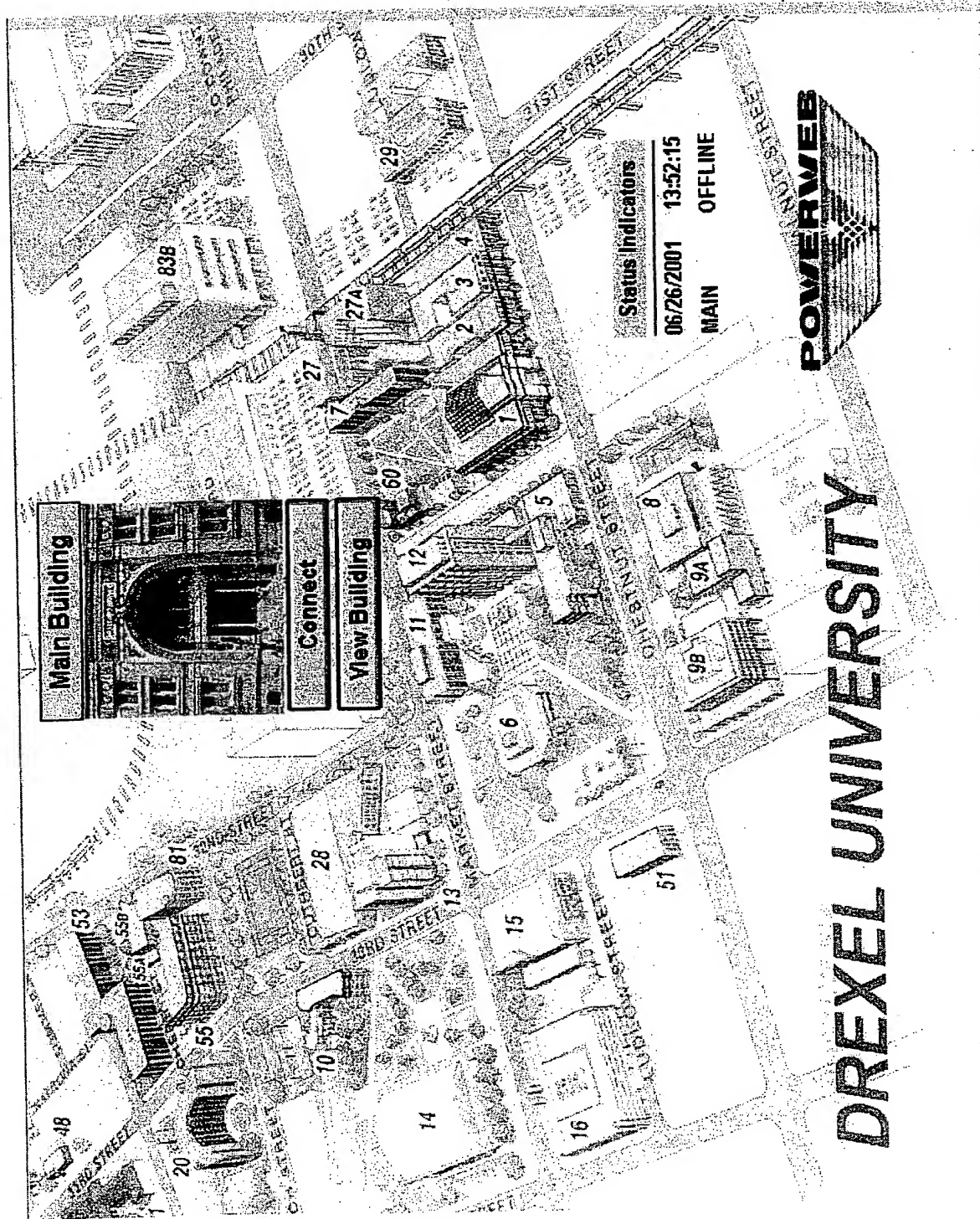


Figure 21

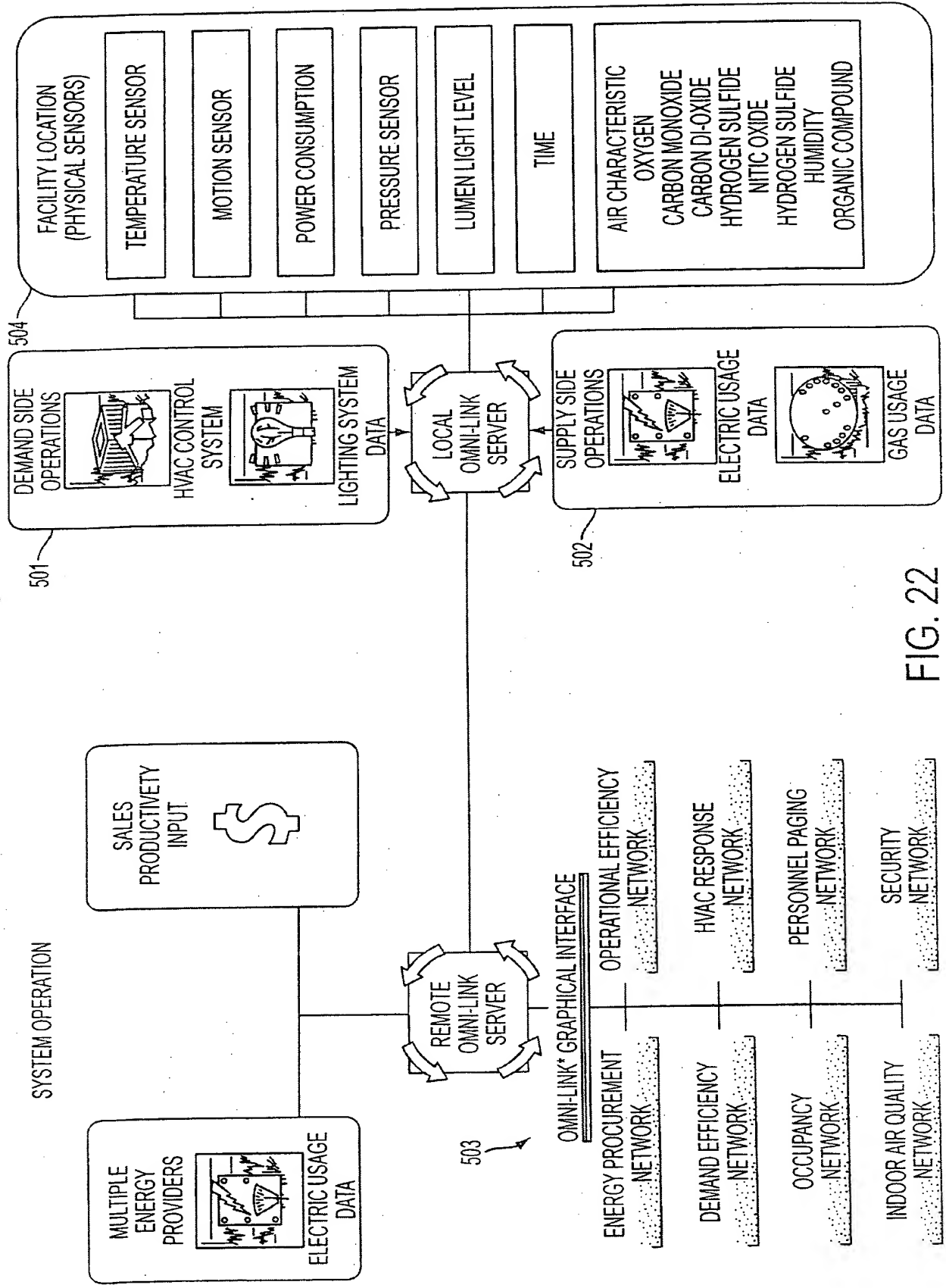
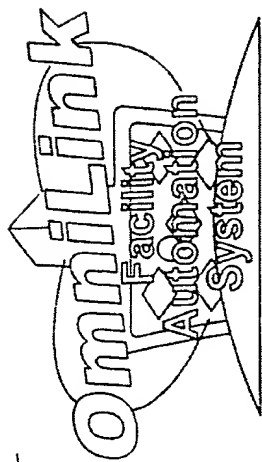


FIG. 22



DEMAND
EFFICIENCY
NETWORK

NET BENEFITS:

- CENTRALIZED DEMAND CONTROL
- LOCALIZED DEMAND CONTROL
- UTILITY PROCUREMENT DEMAND CONTROL
- CORPORATE DEMAND PROFILING
- PINPOINT PROBLEM AREAS

NET SAVINGS:

- CONSERVATIVELY A 3-10% REDUCTION IN ELECTRICAL DEMAND

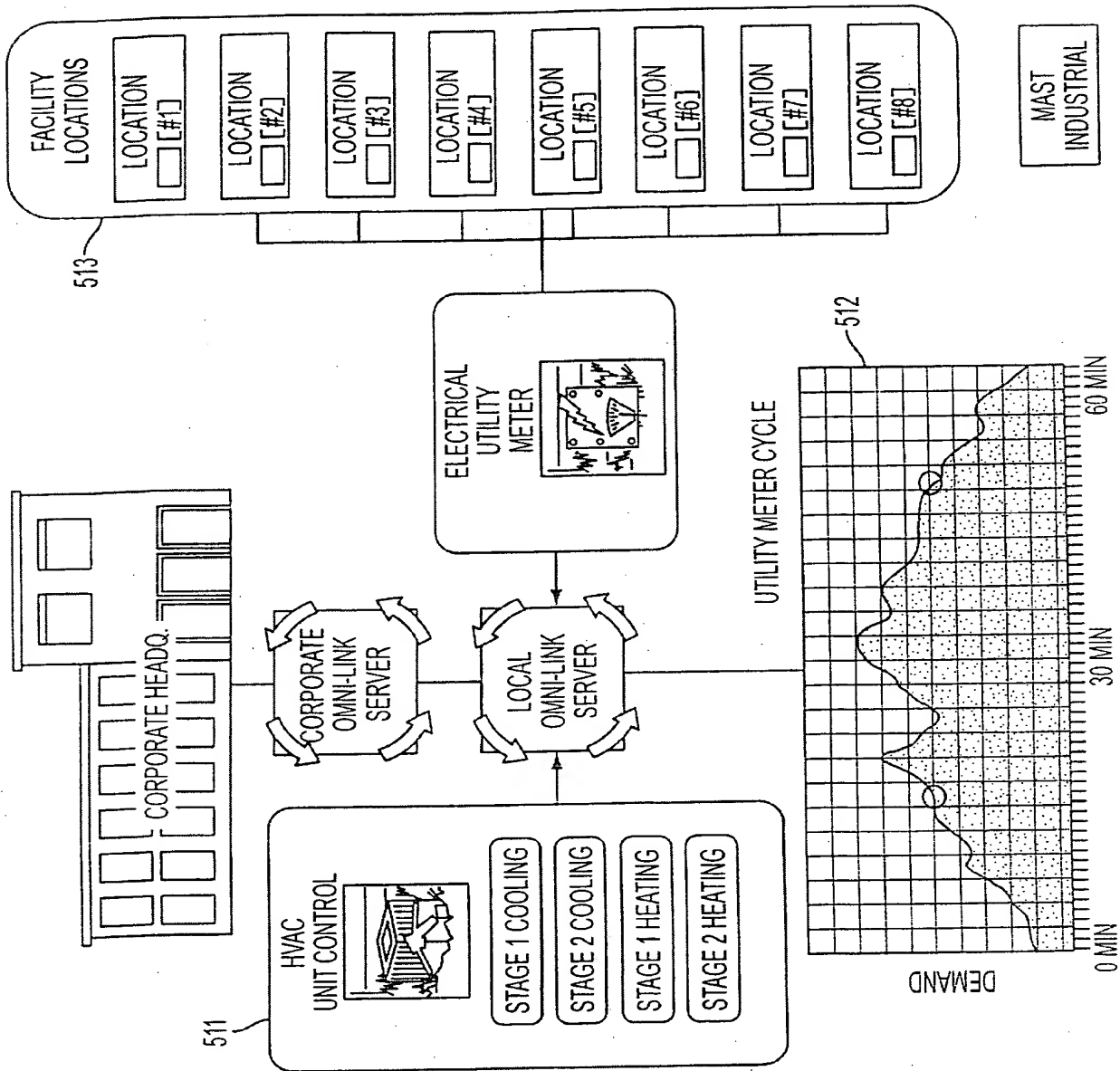
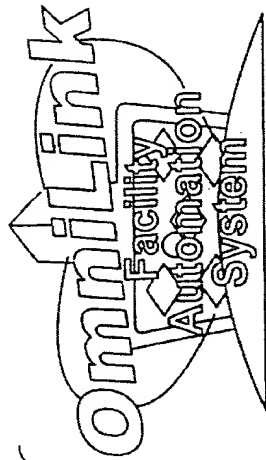


FIG. 23



OPERATIONAL
EFFICIENCY
NETWORK

NET BENEFITS:

- NATIONWIDE SIMULTANEOUS OPERATIONAL CONTROL
- EFFICIENT OPERATIONS OF HVAC & LIGHTING
- TIMECLOCK EFFICIENCY WITHOUT HUMAN INTERVENTION
- AUTOMATIC SPACE PRE-HEAT/ PRE-COOL
- AUTOMATIC MULTI-STAGE LIGHTING

NET SAVINGS:

- CONSERVATIVELY 5-15% REDUCTION IN ENERGY CONSUMPTION

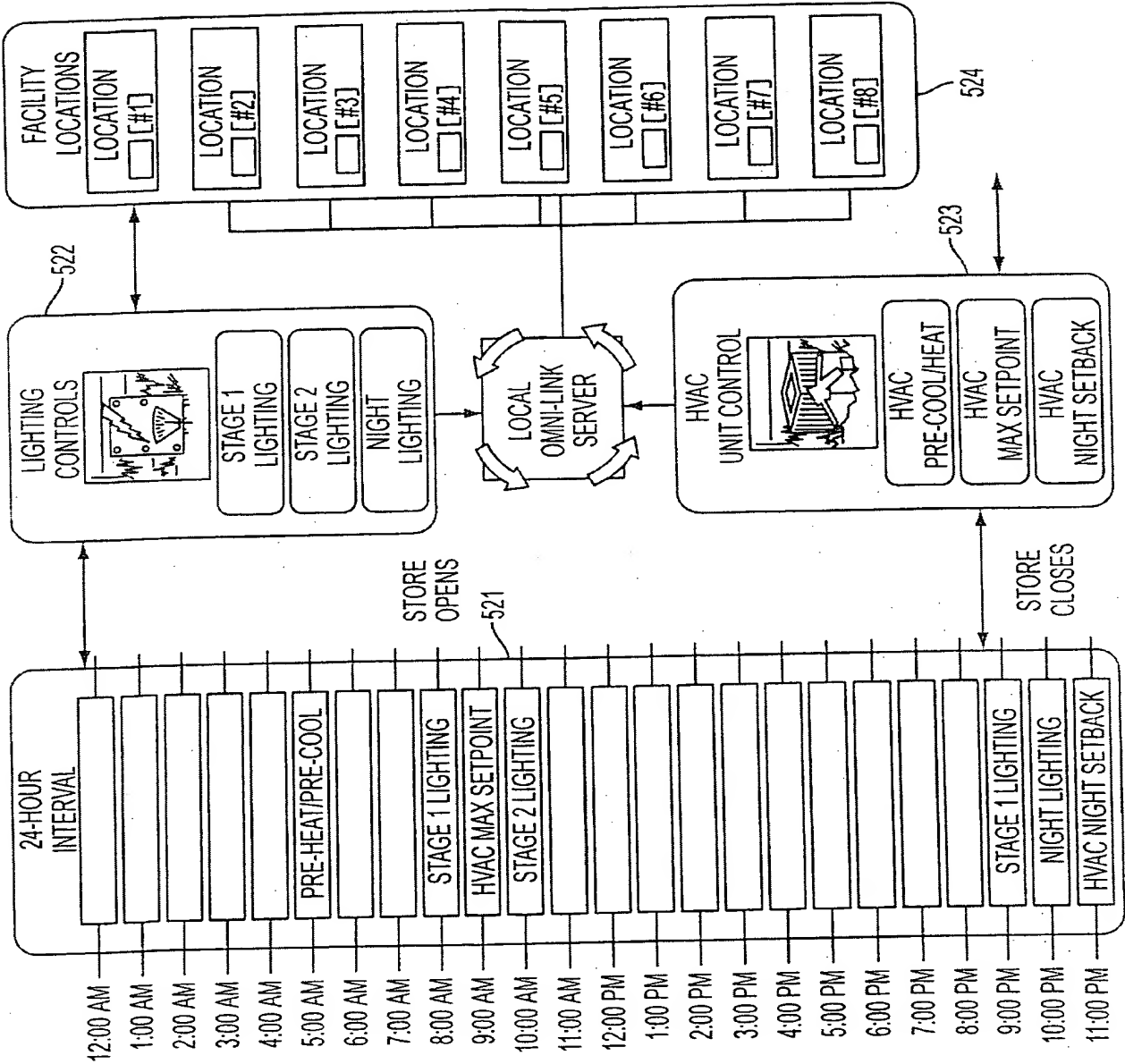
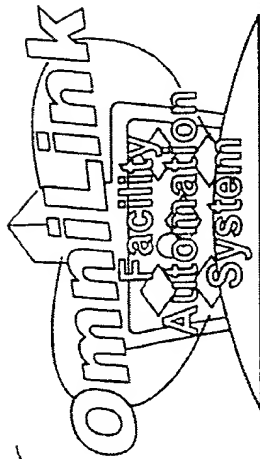


FIG. 24



ENERGY PROCUREMENT NETWORK

NET BENEFITS:

- CENTRALIZED PROCUREMENT NETWORK
- LOW COST ELECTRICITY
- INSTANT CONSOLIDATION
- INSTANT AGGREGATION
- GRID PURCHASE / NO MIDDLEMAN

NET SAVINGS:

- APPROXIMATELY 10% LESS THAN THE DEREGULATED PRICE
- APPROXIMATE SAVINGS 2 TO 5 MILLS

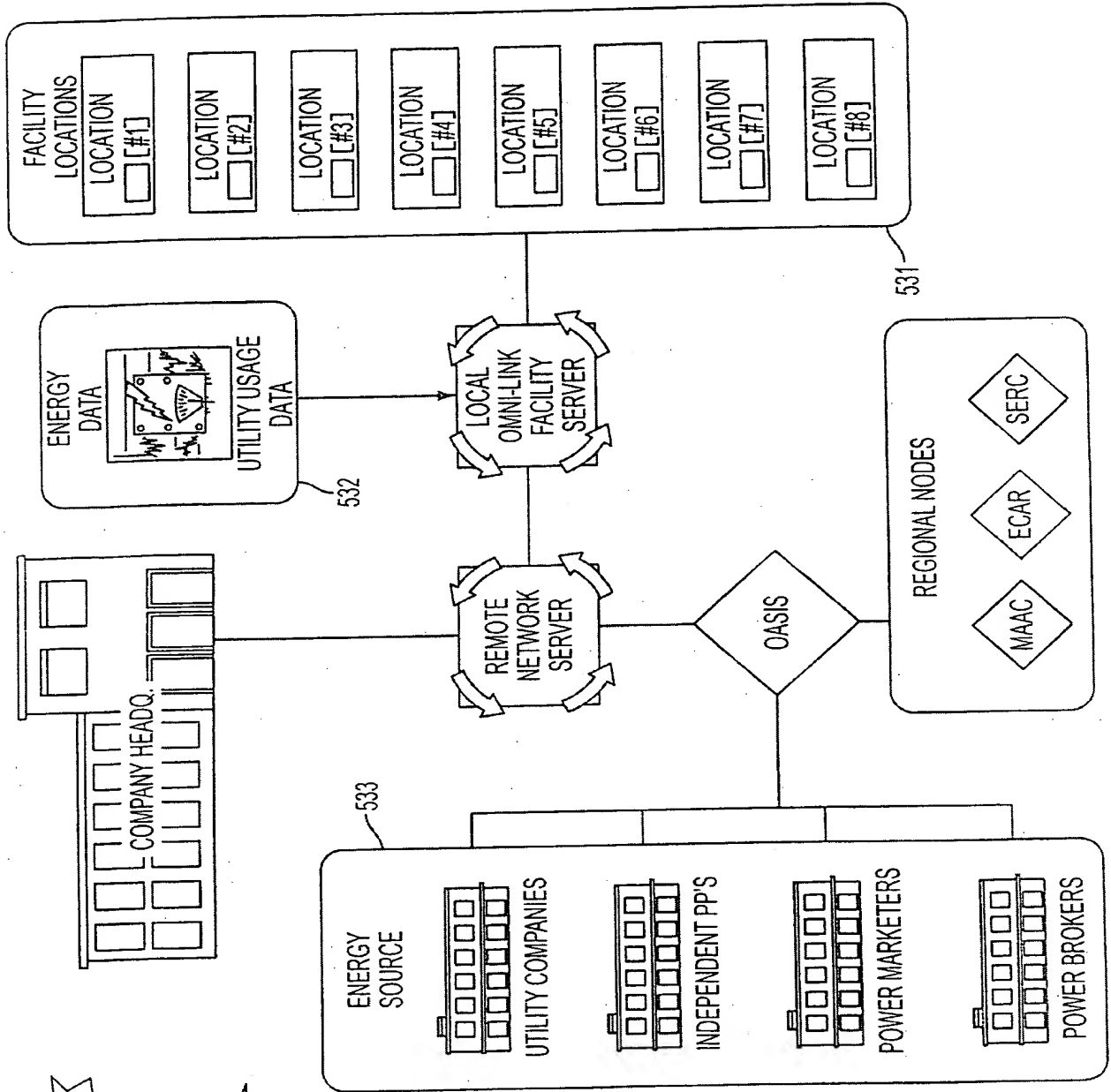


FIG. 25

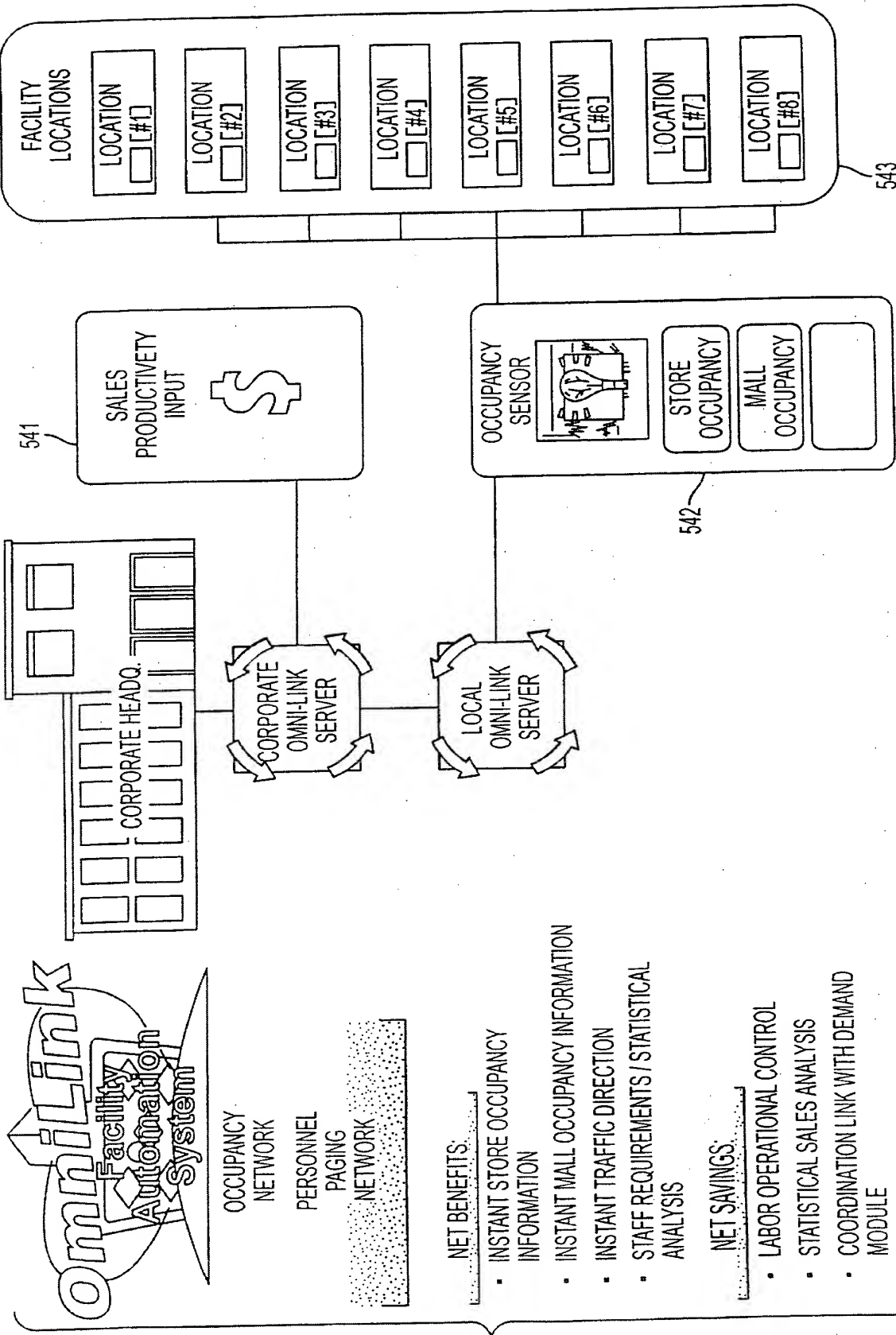
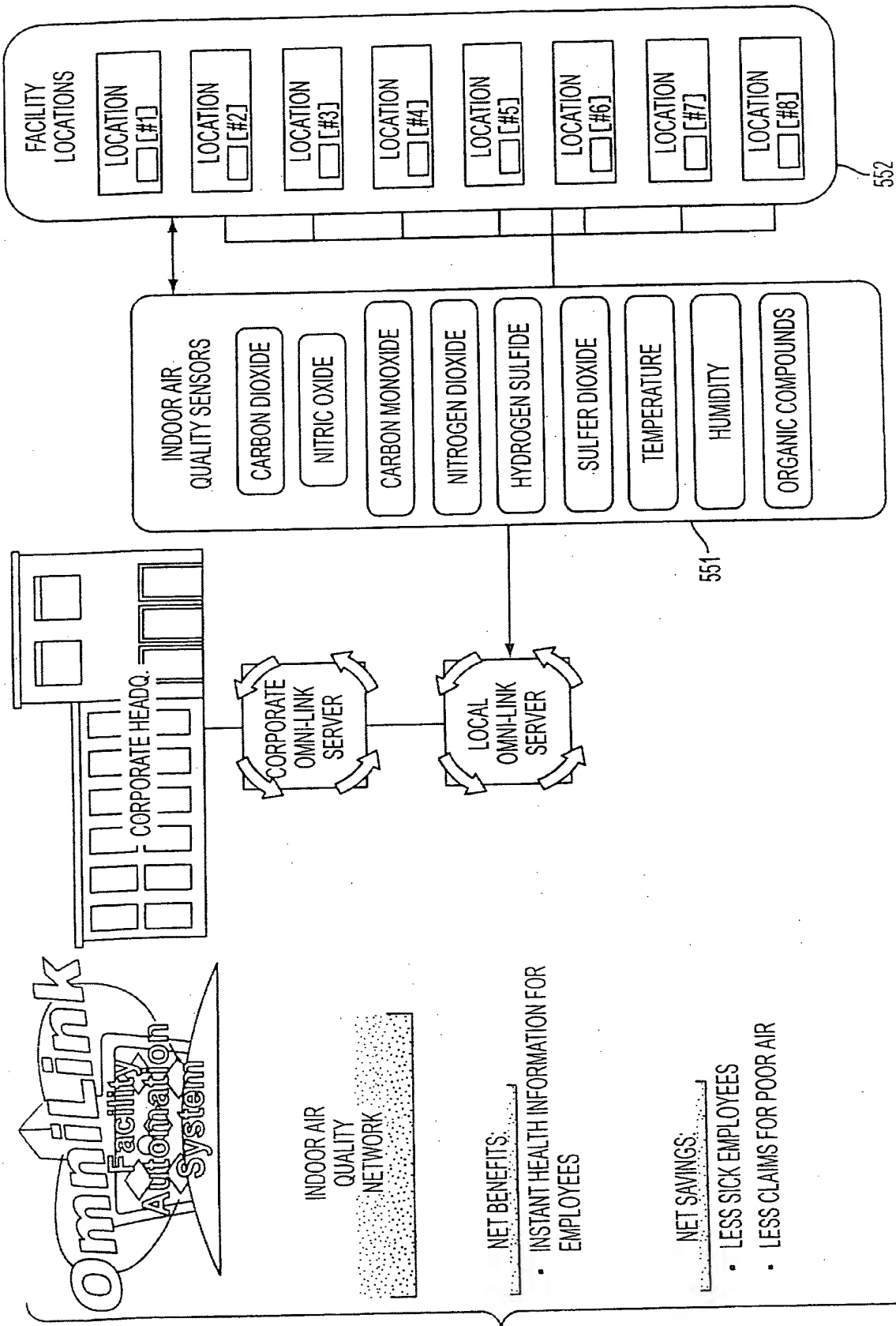


FIG. 26



- NET BENEFITS:**
- INSTANT HEALTH INFORMATION FOR EMPLOYEES
- NET SAVINGS:**
- LESS SICK EMPLOYEES
 - LESS CLAIMS FOR POOR AIR

FIG. 27

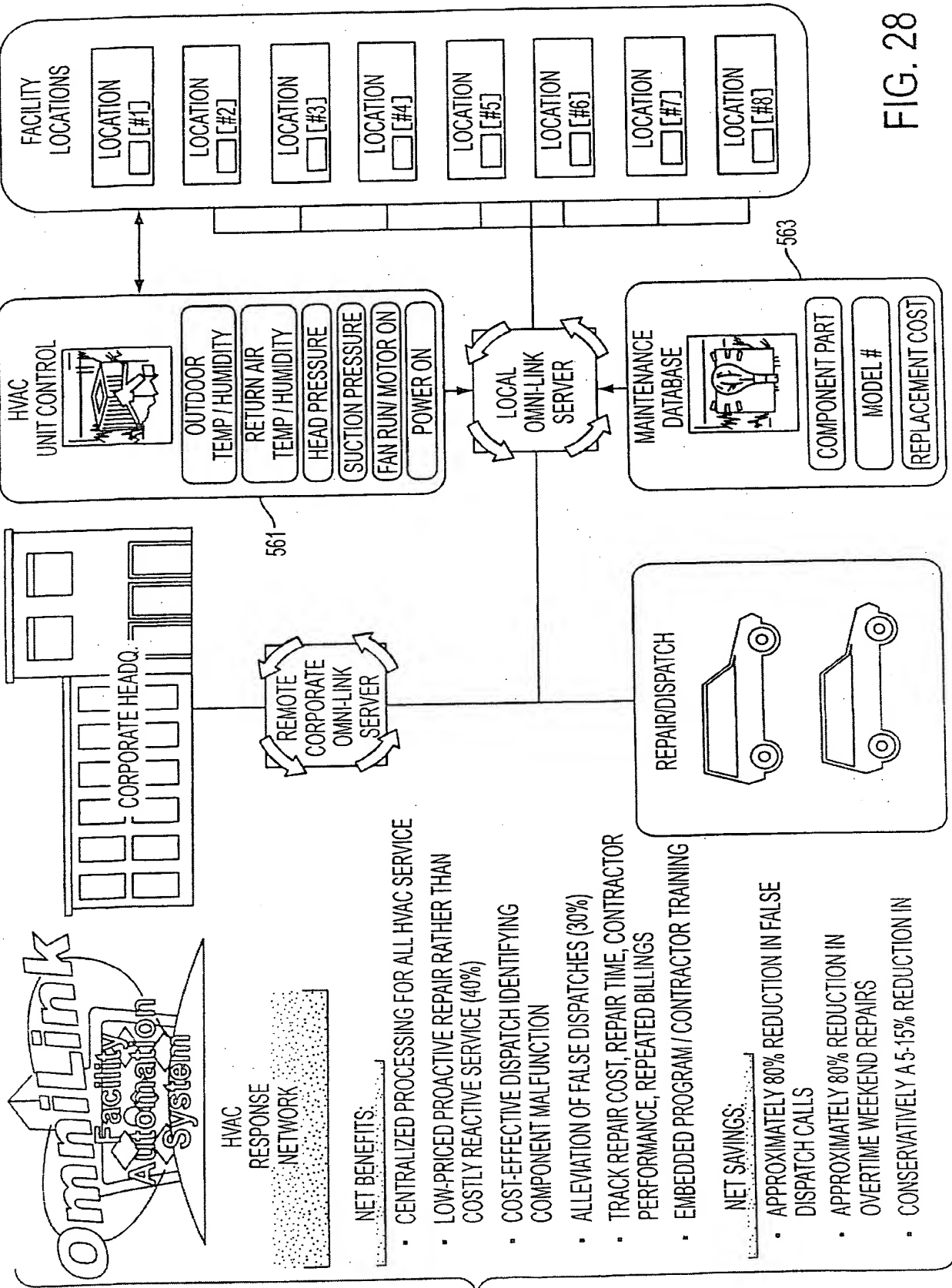


FIG. 28

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